

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | |
|---|------------------------|----------------------|------------------------|
| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | Not Yet Assigned |
| | | Filing Date | 60/509056 |
| | | First Named Inventor | KINGSLEY, Simon Philip |
| | | Group Art Unit | Not Yet Assigned 7/2/1 |
| | | Examiner Name | Not Yet Assigned T. Ho |
| Sheet 1 of 2 | Attorney Docket Number | P-7188-US | |

| U.S. PATENT DOCUMENTS | | | | | | |
|--------------------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials ^a | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| T.H. | A | 6323824 B1 | | Heinrichs, et al. | Nov 27, 2001 | — |
| T.H. | B | 2001/0043168 A1 | | Adachi, et al. | Nov 22, 2001 | — |
| | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------------|-----------------------|-------------------------|---------------------|-----------------------------------|---|--|---|----------------|
| Examiner Initials ^a | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁴ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| T.H. | C | CA | 2201048 | | Wipiboon, et al | March 26, 1997 | — | |
| T.H. | D | EP | 0501435 A2 | | Wipiboon, et al | Oct 15, 1997 | — | |
| T.H. | E | GB | 2268826 A | | Adrian Forrest Frey | Jan 12, 1994 | — | |
| T.H. | F | JP | 2000000367 | | Naishi, et al | Feb 2, 2000 | — | |
| | | | | | | | | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials ^a | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁴ |
| T.H. | G | BIRAND, M.T. AND GELSTHORPE, R.V.: "Experimental millimetric array using dielectric radiators fed by means of dielectric waveguide", Electronics Letters, 1993, 17, (18), pp 633-636 | No mention |
| | H | Chow, et al., "Cylindrical Dielectric Resonator Antenna Array", Electronics Letters, IEE Stevenage, GB vol. 31, no. 18, 31 Aug 1995 (1995-08-31), pgs 1636-1637. | |
| | I | Wipiboon, et al., "Aperture Fed Rectangular and Triangular Dielectric Resonators for use as Magnetic Dipole Antennas", Electronics Letters, 1993, 29, (23), pp 102-1002. | No mention |
| | J | JUNKER, G.P., KISHK, A.A. AND GLISSON A.W.: "Numerical analysis of dielectric resonator antennas excited in the quasi-TE modes", Electronics Letters, 1993, 29, (21), pp 1610-1611 | No mention |
| T.H. | K | KAJFEZ, D. AND GULLON, P.(Eds): "Dielectric resonators", Artech House, Inc, Norwood, MA, 1985 | No mention |

| | | | |
|--------------------|--------|-----------------|----------|
| Examiner Signature | Tan Ho | Date Considered | 11/10/05 |
|--------------------|--------|-----------------|----------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burdan Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Best Available Copy

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | |
|---|------------------------|----------------------|------------------------|
| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | Not Yet Assigned |
| | | Filing Date | Filed 10/5/05 09056 |
| | | First Named Inventor | KINGSLEY, Simon Philip |
| | | Group Art Unit | Not Yet Assigned 2821 |
| | | Examiner Name | Not Yet Assigned T. Ho |
| Sheet 2 of 2 | Attorney Docket Number | P-7188-US | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|----------|--|----------|
| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T* |
| T.H. | L | KINGSLEY, S.P., O'KEEFE, S.G. AND SAARIO S.: "Characteristics of half volume TE mode cylindrical dielectric resonator antennas", to be published in IEEE Transactions on Antennas and Propagation, January 2002 | |
| | M | KINGSLEY, S.P. and O'KEEFE, S.G., "Beam steering and monopulse processing of probe-fed dielectric resonator antennas", IEE Proceedings - Radar Sonar and Navigation, 146, 3, 121 - 126, 1999. | No month |
| | N | KISHK, A.A., JUNKER, G.P. AND GLISSON A.W.: "Study of broadband dielectric resonator antennas", Published in Antenna applications Symposium, 1989, p. 43.] | No month |
| | O | KRANENBURG, R.A. and LONG, S.A.: "Microstrip Transmission Line Excitation of Dielectric Resonator Antennas", Electronics Letters, 1994, 24, (18), pp 1156-1157 | No month |
| | P | LONG, S.A., McALLISTER, M.W. and SHEN, L.C.: "The Resonant Cylindrical Dielectric Cavity Antenna", IEEE Transactions on Antennas and Propagation, AP-31, 1983, pp 408-412. | No month |
| | Q | LEUNG, K.W. LO, H.Y., LUK, K.M. AND YUNG, E.K.N.: "Two-dimensional cylindrical dielectric resonator antenna array", Electronics Letters, 1993, 29, (13), pp 1283-1285 | No month |
| | R | McALLISTER, M.W., LONG, S.A. and CONWAY G.L.: "Rectangular Dielectric Resonator Antenna", Electronics Letters, 1983, 19, (5), pp 218-219. | No month |
| | S | Mongia, et al., "Dielectric Resonator Antennas - A Review and General Design Relations for Resonant Frequency and Bandwidth", International Journal of Microwave and Millimeter-Wave Computer-Aided Engineering, 1994, 4, (3), pp 230-247. | No month |
| | T | Mongia, et al., "A Half-Split Cylindrical Dielectric Resonator Antenna Using Slot-Coupling", IEEE Microwave and Guided Wave Letters, 1993, 3, (2), pp. 38 - 39. | No month |
| | U | Mongia, et al., "Theoretical and Experimental Investigations on Rectangular Dielectric Resonator Antennas", IEEE Transactions on Antennas and Propagation, IEEE Inc., New York, US, vol. 45, no. 8. | No date |
| | V | PETOSA, A., ITTIPBOON, A. AND CUHACI, M.: "Array of circular-polarized cross dielectric resonator antennas", Electronics Letters, 1989, 25, (19), pp 1742-1743 | No month |
| | W | PETOSA, A., MONGIA, R.K., ITTIPBOON, A. AND WIGHT, J.S.: "Design of microstrip-fed series array of dielectric resonator antennas", Electronics Letters, 1993, 29, (16), pp 1306-1307 | No month |
| | X | PETOSA, A., ITTIPBOON, A., CUHACI, M. AND LAROSE, R.: "Bandwidth improvement for microstrip-fed series array of dielectric resonator antennas", Electronics Letters, 1989, 25, (7), pp 608-609 | No month |
| T.H. | Y | WU, Z.; DAVIS, L.E. AND DROSSOS, G.: "Cylindrical dielectric resonator antenna arrays", Proceedings of ICAP - 11th International Conference on Antennas and Propagation, 2001, p. 668 | No month |

| | | | |
|--------------------|--------|-----------------|----------|
| Examiner Signature | Tau Ho | Date Considered | 11/10/05 |
|--------------------|--------|-----------------|----------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Best Available Copy